

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No.	:	09/866,108	Confirmation No.:	4938
Applicant	:	Gu, et al.		
Filed	:	May 25, 2001		
TC/A.U.	:	1652		
Examiner	:	David J. Steadman		
Docket No.	:	AEOMICA-7		
Customer No.	:	1473		

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**ASSOCIATE POWER OF ATTORNEY**

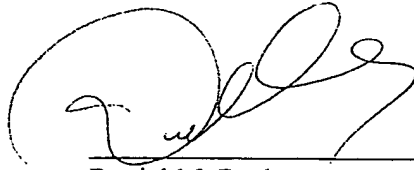
Sir:

The undersigned hereby appoints the following as Associate Attorneys and Agents with full power to transact all business in the Patent and Trademark Office pertaining to the above-identified United States patent application:

Royal N. Ronning, Jr.	Reg. No. 32,529
Stephen G. Ryan	Reg. No. 39,015
Yonggang Ji	Reg. No. 53,073

c/o Amersham Biosciences Corp  
Patent Department  
800 Centennial Avenue  
P.O. Box 1327  
Piscataway, New Jersey 08855-1327  
Tel: (732) 457-8000  
Fax: (732) 457-8463

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Daniel M. Becker', is written over a horizontal line.

Daniel M. Becker  
Reg. No. 38,376  
Attorney for Applicants

c/o FISH & NEAVE  
1251 Avenue of the Americas  
New York, New York 10020  
(650) 617-4000

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

the specification of which

(check ☐ is attached hereto  
one)

[X] was filed on May 25, 2001 as  
Application Serial No. 09/866,108 and was  
amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim the benefit under 35 U.S.C. § 365(c) of any PCT international application(s) listed below which designated the United States of America, and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT application designating the United States in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior PCT Application(s) Designating the U.S.

			<u>Pending</u>	
<u>PCT/US01/00666</u>	<u>PCT</u>	<u>30 January 2001</u>	[X]	[ ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u>PCT/US01/00667</u>	<u>PCT</u>	<u>30 January 2001</u>	[X]	[ ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u>PCT/US01/00664</u>	<u>PCT</u>	<u>30 January 2001</u>	[X]	[ ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u>PCT/US01/00669</u>	<u>PCT</u>	<u>30 January 2001</u>	[X]	[ ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u>PCT/US01/00665</u>	<u>PCT</u>	<u>30 January 2001</u>	[X]	[ ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u>PCT/US01/00668</u>	<u>PCT</u>	<u>30 January 2001</u>	[X]	[ ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u>PCT/US01/00663</u>	<u>PCT</u>	<u>30 January 2001</u>	[X]	[ ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u>PCT/US01/00662</u>	<u>PCT</u>	<u>30 January 2001</u>	[X]	[ ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u>PCT/US01/00661</u>	<u>PCT</u>	<u>30 January 2001</u>	[X]	[ ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u>PCT/US01/00670</u>	<u>PCT</u>	<u>30 January 2001</u>	[X]	[ ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim priority benefits under Title 35, United States Code, § 119(a) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate, if any, having a filing date before that of the application on which priority is claimed, and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior foreign application for patent in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application::

Prior Foreign Application(s)

Priority  
Claimed

<u>0024263.6</u>	<u>GB</u>	<u>04 October 2000</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim priority benefits under Title 35, United States Code, § 119(e) of any provisional applications for United States patent listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior provisional application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior Provisional Application(s)

Priority  
Claimed

<u>60/207,456</u>	<u>US</u>	<u>26 May 2000</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u>60/234,687</u>	<u>US</u>	<u>21 September 2000</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

60/236,359    US    27 September 2000    ☒    ☐  
(Number)    (Country)    (Day/Month/Year Filed)    Yes    No

60/266,860    US    05 February 2001    ☒    ☐  
(Number)    (Country)    (Day/Month/Year Filed)    Yes    No

As a named inventor, I hereby appoint the following attorneys or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

Daniel M. Becker (Reg. No. 38,376)  
Nicola A. Pisano (Reg. No. 34,408)  
Linda E. Rost (Reg. No. 46,234)

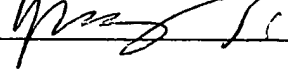
Send correspondence to: Daniel M. Becker  
FISH & NEAVE  
Customer No. 1473  
1251 Avenue of the Americas  
New York, New York 10020-1104

Direct telephone calls to: Daniel M. Becker  
(650) 617-4000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Yizhong Gu  
First Inventor's signature *Yizhong Gu*    06/25/01    Date  
Residence 965 East El Camino Real, #113, Sunnyvale, CA 94087  
Citizenship United States of America  
Post Office Address 965 East El Camino Real, #113  
Sunnyvale, California 94087

Full name of second inventor Yongqiang Ji


Second Inventor's signature  6/22/01  
Date

Residence 133 West 36<sup>th</sup> Avenue, San Mateo, CA 94403

Citizenship China

Post Office Address 133 West 36<sup>th</sup> Avenue  
San Mateo, California 94403

Full name of third inventor Sharron Gaynor Penn

Third Inventor's signature  6-22-01  
Date

Residence 617 South Delaware Street, San Mateo, CA 94402

Citizenship United Kingdom

Post Office Address 617 South Delaware Street  
San Mateo, California 94402

Full name of fourth inventor David Kagen Hanzel

Fourth Inventor's signature  6/22/01  
Date

Residence 988 Loma Verde Avenue, Palo Alto, CA 94303

Citizenship United States of America

Post Office Address 988 Loma Verde Avenue  
Palo Alto, California 94303

Full name of fifth inventor David Russell Rank

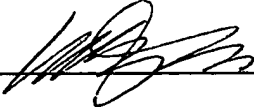
Fifth Inventor's signature  6-25-2001  
Date

Residence 117 El Dorado Commons, Fremont, CA 94539

Citizenship United States of America

Post Office Address 117 El Dorado Commons  
Fremont, California 94539

Full name of sixth inventor Wensheng Chen

Sixth inventor's signature 

6-22-01  
Date

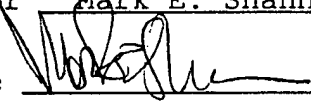
Residence 210 Easy Street, #25, Mountain View, CA 94043

Citizenship China

Post Office Address 210 Easy Street, #25

Mountain View, California 94043

Full name of seventh inventor Mark E. Shannon

Seventh Inventor's signature 

6-22-01

Date

Residence 3131-1 Arcadia Common, Livermore, CA 94550

Citizenship United States of America

Post Office Address 3131-1 Arcadia Common

Livermore, California 94550





UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

DECEMBER 07, 2001

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

FISH & NEAVE  
DANIEL M. BECKER  
1251 AVENUE OF THE AMERICAS  
NEW YORK, NY 10020



\*101867657A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER  
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA  
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD  
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY  
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.  
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/02/2001

REEL/FRAME: 012217/0454  
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
GU, YIZHONG

DOC DATE: 06/25/2001

ASSIGNOR:  
JI, YONGGANG

DOC DATE: 06/22/2001

ASSIGNOR:  
PENN, SHARRON G.

DOC DATE: 06/22/2001

ASSIGNOR:  
HANZEL, DAVID K.

DOC DATE: 06/22/2001

ASSIGNOR:  
RANK, DAVID R.

DOC DATE: 06/25/2001

ASSIGNOR:  
CHEN, WENSHENG

DOC DATE: 06/22/2001

ASSIGNOR:  
SHANNON, MARK E.

DOC DATE: 06/22/2001

**RECEIVED**

DEC 14 2001

FISH & NEAVE - PATENT DEPT.  
REFERRED TO DMR  
NOTED BY

**ORIG. COPY**  
**SENT TO**  
**CALIFORNIA**

L. Gallia

012217/0454 PAGE 2

ASSIGNEE:

AEOMICA, INC.  
928 EAST ARQUES AVENUE  
SUNNYVALE, CALIFORNIA 94086

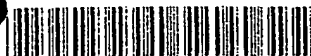
SERIAL NUMBER: 09866108  
PATENT NUMBER:

FILING DATE: 05/25/2001  
ISSUE DATE:

JACQUELINE MOORE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

RE

10-09-2001



SHE

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

AEOMICA-7

To the Honorable Commission of Patents

101867657

attached original documents or copy thereof.

1. Name of conveying party(ies):

Yizhong Gu, Yonggang Ji, Sharron G. Penn,  
David K. Hanzel, David R. Rank,  
Wensheng Chen, Mark E. Shannon.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 06/25/01; 06/22/01; 06/22/01; 06/22/01; 06/25/01;  
06/22/01; 06/22/01

2. Name and address of receiving party(ies)

Name: AEOMICA, INC.

Internal Address: \_\_\_\_\_

Street Address: 928 East Arques Avenue

City: Sunnyvale State: CA ZIP: 94086

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/866,108 filed May 25, 2001

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Daniel M. Becker

Internal Address: \_\_\_\_\_

Street Address: Fish & Neave

1251 Avenue of the Americas

City: New York State: NY ZIP: 10020

07/05/2001 APPROVED 00000121 09866108

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed  
☒ Additional fees are authorized to be charged to deposit account

8. Deposit account number:

06-1075

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Daniel M. Becker  
Name of Person Signing

Signature

28 SEPT 2001  
Date

Reg. No. 38,376

Total number of pages including cover sheet, attachments, and document:

7

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

A S S I G N M E N T

WHEREAS, we, Yizhong Gu, Yonggang Ji, Sharron G. Penn, David K. Hanzel, David R. Rank, Wensheng Chen, and Mark E. Shannon, residing respectively, at 965 East El Camino Real, #113, Sunnyvale, California 94087; 133 West 36th Avenue, San Mateo, California 94403; 617 South Delaware Street, San Mateo, California 94402; 988 Loma Verde Avenue, Palo Alto, California 94303; 117 El Dorado Commons, Fremont, California 94539; 210 Easy Street, #25, Mountain View, California 94043; and 3131-1 Arcadia Common, Livermore, California 94550, have made an invention entitled:

## MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

and have made an application for United States Letters Patent therefor filed May 25, 2001 and assigned Serial No. 09/866,108; and

WHEREAS, AEOMICA, INC., a corporation organized and existing under the laws of the State of Delaware and having an address of 928 East Arques Avenue, Sunnyvale, California 94086, is desirous of acquiring the entire interest in said invention, said United States patent application and in any Letters Patent which may issue thereon;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto the said AEOMICA, INC., its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereof for all countries of the world, and in and to said United States patent application, including any continuations and divisions thereof,

and any substitute applications therefor, and including the right to claim priority under the International Convention based on said patent application, and any patent which may issue thereon, and any reissues of the same; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same;

and we hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said AEOMICA, INC. as the assignee of the entire interest therein; and we further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, we have hereunto signed our names and affixed our seals on the dates indicated hereinafter.

06/25/2001

Date

Yizhong Gu

Yizhong Gu

STATE OF California

: ss.:

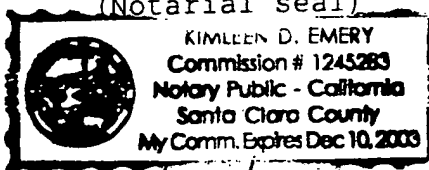
COUNTY OF Santa Clara

On this 25<sup>th</sup> day of June, 2001, appeared before me in person the above-named Yizhong Gu and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

Kimleen D. Emery  
Notary Public

My Commission expires:

December 10, 2003



6/22/01

Date

Yonggang Ji  
Yonggang Ji

STATE OF California

: ss.:

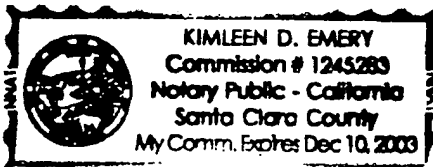
COUNTY OF Santa Clara

On this 22<sup>nd</sup> day of June, 2001, appeared before me in person the above-named Yonggang Ji and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

Kimleen D. Emery  
Notary Public

My Commission expires:

December 10, 2003



6-22-01

Date

Sharron G. Penn

STATE OF (California)

: ss.:

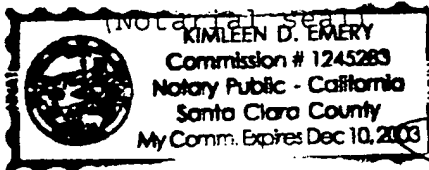
COUNTY OF Santa Clara

On this 22<sup>nd</sup> day of June, 2001, appeared before me in person the above-named Sharron G. Penn and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

Kimleen D. Emery  
Notary Public

My Commission expires:

December 10, 2003



6/22/01  
Date

David K. Hanzel

STATE OF (California)

: ss.:

COUNTY OF Santa Clara

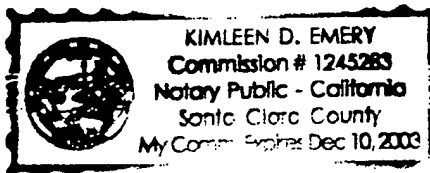
On this 22<sup>nd</sup> day of June, 2001, appeared before me in person the above-named David K. Hanzel and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

Kimleen D. Emery  
Notary Public

My Commission expires:

December 10, 2003

(Notarial seal)



6-25-2001

Date

David R. Rank  
David R. Rank

STATE OF California

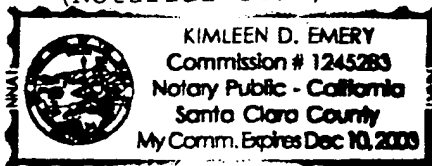
: ss.:

COUNTY OF Santa Clara

On this 25<sup>th</sup> day of June, 2001, appeared before me in person the above-named David R. Rank and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

Kimleen D. Emery  
Notary Public

(Notarial seal)



My Commission expires:

December 10, 2003

6-22-01  
Date

Wensheng Chen  
Wensheng Chen

STATE OF California

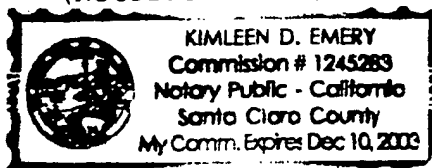
: ss.:

COUNTY OF Santa Clara

On this 22<sup>nd</sup> day of June, 2001, appeared before me in person the above-named Wensheng Chen and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

Kimleen D. Emery  
Notary Public

(Notarial seal)



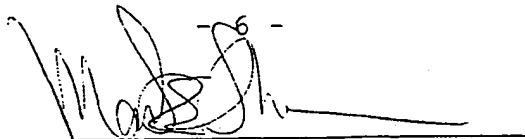
My Commission expires:

December 10, 2003



6-22-01

Date

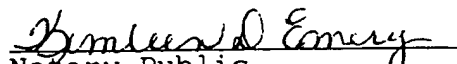
  
Mark E. Shannon

STATE OF California

: ss.:

COUNTY OF Santa Clara

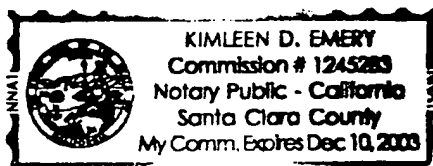
On this 22<sup>nd</sup> day of June, 2001, appeared before me in person the above-named Mark E. Shannon and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

  
Notary Public

(Notarial seal)

My Commission expires:

December 10, 2003



RECORDATION FORM COVER SHEET  
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

AEOMICA-7

To the Honorable Commission of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yizhong Gu, Yonggang Ji, Sharron G. Penn,  
David-K. Hanzel, David R. Rank,  
Wensheng Chen, Mark E. Shannon

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 06/25/01; 06/22/01; 06/22/01; 06/22/01; 06/25/01;  
06/22/01; 06/22/01

2. Name and address of receiving party(ies)

Name: AEOMICA, INC.

Internal Address: \_\_\_\_\_

Street Address: 928 East Arques Avenue

City: Sunnyvale State: CA ZIP: 94086

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/866,108 filed May 25, 2001

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Daniel M. Becker

Internal Address: \_\_\_\_\_

Street Address: Fish & Neave

1251 Avenue of the Americas

City: New York State: NY ZIP: 10020

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed

☒ Additional fees are authorized to be charged to deposit account

8. Deposit account number:

06-1075

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Daniel M. Becker  
Name of Person Signing

[Signature]  
Signature

Reg. No. 38,376

Total number of pages including cover sheet, attachments, and document: 7

28 SEPT 2001  
Date

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Commissioner of Patents & Trademarks, Box Assignments  
Washington, F C 20231



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

NOVEMBER 07, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
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AMERSHAM BIOSCIENCES  
STEPHEN G. RYAN  
800 CENTENNIAL AVENUE  
PISCATAWAY, NJ 08855



\*102208239A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/28/2002

REEL/FRAME: 013230/0980  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
AEOMICA, INC.

DOC DATE: 01/25/2002

ASSIGNEE:  
AMERSHAM PLC  
THE GROVE CENTRE  
WHITE LION ROAD, AMERSHAM  
BUCKINGHAMSHIRE HP7 9LL  
GREAT  
BRITAIN

SERIAL NUMBER: 09774203 *P80004*  
PATENT NUMBER:

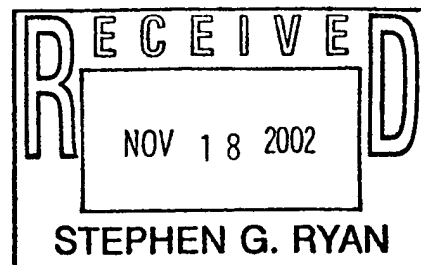
FILING DATE: 01/29/2001  
ISSUE DATE:

SERIAL NUMBER: 09866108 *P80105*  
PATENT NUMBER:

FILING DATE: 05/25/2001  
ISSUE DATE:

SERIAL NUMBER: 09895040 *P80143*  
PATENT NUMBER:

FILING DATE: 06/29/2001  
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SERIAL NUMBER: 09864761 *P60048*  
PATENT NUMBER:

FILING DATE: 05/23/2001  
ISSUE DATE:

SERIAL NUMBER: 09827998 *P60114*  
PATENT NUMBER:

FILING DATE: 04/06/2001  
ISSUE DATE:

SERIAL NUMBER: 09922181 *P60147*  
PATENT NUMBER:

FILING DATE: 08/02/2001  
ISSUE DATE:

SERIAL NUMBER: 09632366 *P60049*  
PATENT NUMBER:

FILING DATE: 08/03/2000  
ISSUE DATE:

SERIAL NUMBER: 09872462 *P60132*  
PATENT NUMBER:

FILING DATE: 06/01/2001  
ISSUE DATE:

PAULA MCCRAY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

09-03-2002



Docket No.: AEOMICA

EET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Tab settings → → → ▼ ▼ ▼ ▼

102208239

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Aeomica, Inc.

828.02

2. Name and address of receiving party(ies):

Name: Amersham plc

AUG 28 2002

Internal Address: The Grove Centre

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Street Address: White Lion Road, Amersham

Buckinghamshire HP7 9LL Great Britain

City: State: ZIP:

Execution Date: January 25, 2002

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

~~09/774,203~~ 09/864,761 09/632,366  
09/866,108 09/827,998 09/872,462  
09/895,040 09/922,181

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Stephen G. Ryan

Internal Address: Amersham Biosciences

18/30/2002 6TON11 00000078 500588 09774203

11 FC:581 320.00 CH

Street Address: 800 Centennial Avenue

City: Piscataway State: NJ ZIP: 08855

6. Total number of applications and patents involved:

8

7. Total fee (37 CFR 3.41): \$ 320.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

500-588

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Stephen G. Ryan

Name of Person Signing

Signature

January 31, 2002

Date

Total number of pages including cover sheet, attachments, and document:

5

## ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, that in consideration of one dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, **Aeomica, Inc.**, a Delaware corporation, having a place of business of **928 East Arques Avenue, Sunnyvale, California 94085 US** (the "Assignor"), hereby assigns to **Amersham plc**, a corporation of Great Britain having a place of business of **The Grove Centre, White Lion Road, Amersham, Buckinghamshire, Great Britain HP7 9LL** (the "Assignee"), its successors and assigns, any right, title or interest it may have in the following patent applications:

- 1) U.S. patent application Serial No. 09/774,203 filed 29 January 2001 (and any application claiming priority therefrom)
- 2) U.S. patent application Serial No. 09/864,761 filed 23 May 2001 (and any application claiming priority therefrom)
- 3) U.S. patent application Serial No. 09/632,366 filed 3 August 2000 (and any application claiming priority therefrom)
- 4) U.S. patent application Serial No. 09/866,108 filed 25 May 2001 (and any application claiming priority therefrom)
- 5) U.S. patent application Serial No. 09/827,998 filed 6 April 2001 (and any application claiming priority therefrom)
- 6) U.S. patent application Serial No. 09/872,462 filed 1 June 2001 (and any application claiming priority therefrom)
- 7) U.S. patent application Serial No. 09/895,040 filed 29 June 2001 (and any application claiming priority therefrom)
- 8) U.S. patent application Serial No. 09/922,181 filed 2 August 2001 (and any application claiming priority therefrom)

IN TESTIMONY WHEREOF, the Assignor has caused this Assignment to be executed by its duly authorized officer on this 25<sup>th</sup> day of January, 2002.

**Aeomica, Inc.**

By: Mark L. Lewis

Title: President

State of \_\_\_\_\_

County of \_\_\_\_\_

Before me personally appeared said \_\_\_\_\_

and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_

day of \_\_\_\_\_, 2002.

Seal

\_\_\_\_\_  
(Notary Public)

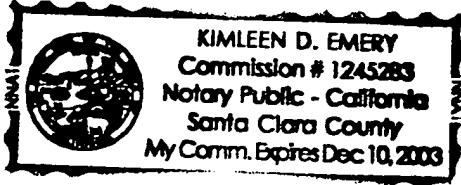
# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Santa Clara } ss.

On January 25, 2002 before me, Kimleen D. Emery, Notary Public,  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Mark L. Lewis  
Name(s) of Signer(s)



☒ personally known to me  
☐ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Place Notary Seal Above

Kimleen D. Emery  
Signature of Notary Public

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

### Description of Attached Document

Title or Type of Document: Patent Assignment

Document Date: January 25, 2002 Number of Pages: 2

Signer(s) Other Than Named Above: none

### Capacity(ies) Claimed by Signer

Signer's Name: Mark L. Lewis

☒ Individual

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: self

RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here



BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF  
THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSES OF PATENT PROCEDURE

**INTERNATIONAL FORM**

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT ISSUED PURSUANT TO RULE 7.3  
AND VIABILITY STATEMENT ISSUED PURSUANT TO RULE 10.2

To: (Name and Address of Depositor or Attorney)

Aeomica, Inc.  
Attn: David Hanzel  
928 East Arques Avenue  
Sunnyvale, CA 94085

Deposited on Behalf of: Aeomica, Inc.

**Identification Reference by Depositor:**

Plasmid with DNA insert in pGEM-Teasy vector: Human heart-gene  
(Ref: Docket or Case No.: AEOMICA-7),  
Plasmid with DNA insert in pGEM-Teasy vector: NEDD1  
(Ref: Docket or Case No.: AEOMICA-9),  
Plasmid with DNA insert in pGEM-Teasy vector: PAPPEa  
(Ref: Docket or Case No.: MDhMORF-8),  
Plasmid with DNA insert in pGEM-Teasy vector: PAPPEb  
(Ref: Docket or Case No.: MDhMORF-8),  
Plasmid with DNA insert in pGEM-Teasy vector: PAPPEc  
(Ref: Docket or Case No.: MDhMORF-8).

**Patent Deposit Designation**

PTA-3397

PTA-3398

PTA-3399

PTA-3400

PTA-3401

The deposits were accompanied by:    a scientific description    a proposed taxonomic description indicated above. The deposits were received May 23, 2001 by this International Depository Authority and have been accepted.

AT YOUR REQUEST:   X   We will inform you of requests for the strains for 30 years.

The strains will be made available if a patent office signatory to the Budapest Treaty certifies one's right to receive, or if a U.S. Patent is issued citing the strains, and ATCC is instructed by the United States Patent & Trademark Office or the depositor to release said strains.


If the cultures should die or be destroyed during the effective term of the deposit, it shall be your responsibility to replace them with living cultures of the same.

The strains will be maintained for a period of at least 30 years from date of deposit, or five years after the most recent request for a sample, whichever is longer. The United States and many other countries are signatory to the Budapest Treaty.

The viability of the cultures cited above was tested June 7, 2001. On that date, the cultures were viable.

International Depository Authority: American Type Culture Collection, Manassas, VA 20110-2209 USA.

Signature of person having authority to represent ATCC:

  
Tanya Nunnally, Patent Specialist, Patent Depository

Date: June 27, 2001

cc: Daniel Becker